

Anti-TRPM7 antibody ab729

★★★★★ **2 Abreviews** **26 References** 画像数 1

製品の概要

製品名	Anti-TRPM7 antibody
製品の詳細	Goat polyclonal to TRPM7
由来種	Goat
アプリケーション	適用あり: ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Dog, Pig 
免疫原	Synthetic peptide: TKESESTNSVRLML, corresponding to C terminal amino acids 1852-1865 of Human TRPM7.  Run BLAST with  Run BLAST with 
特記事項	In response to customer feedback and in-house testing the latest lot doesn't pass the WB quality testing so we have decided to remove the application for now. Please contact technical@abcam.com for more details.

Please see reference He et al for details of the size of the protein detected by SDS-PAGE.
Principal Names: TRPM7; transient receptor potential cation channel, subfamily M, member 7; CHAK; CHAK1; LTRPC7; FLJ20117; TRP-PLIK; LTRPC ion channel family member 7; homolog of mouse transient receptor potential-phospholipase C-interacting kinase CHaK hypothetical protein. Official Gene Symbol - TRPM7 GenBank Accession Number – XP_030709 LocusLink ID - 54822 (human).

Can be blocked with Human TRPM7 peptide ([ab22777](#)).

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
精製度	Immunogen affinity purified
特記事項(精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

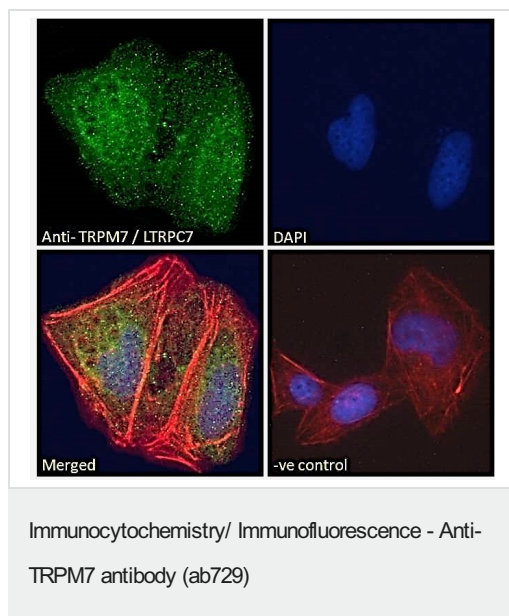
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab729の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.

ターゲット情報

機能	Essential ion channel and serine/threonine-protein kinase. Divalent cation channel permeable to calcium and magnesium. Has a central role in magnesium ion homeostasis and in the regulation of anoxic neuronal cell death. The kinase activity is essential for the channel function. May be involved in a fundamental process that adjusts plasma membrane divalent cation fluxes according to the metabolic state of the cell. Phosphorylates annexin A1 (ANXA1).
関連疾患	Defects in TRPM7 are a cause of susceptibility to amyotrophic lateral sclerosis-parkinsonism/dementia complex type 1 (ALS-PDC1) [MIM:105500]; also called amyotrophic lateral sclerosis-parkinsonism/dementia complex of Guam or Guam disease. Amyotrophic lateral sclerosis-parkinsonism/dementia complex type 1 is a neurodegenerative disorder characterized by chronic, progressive and uniformly fatal amyotrophic lateral sclerosis and parkinsonism-dementia. Both diseases are known to occur in the same kindred, the same sibship and even the same individual.
配列類似性	In the C-terminal section; belongs to the protein kinase superfamily. Alpha-type protein kinase family. ALPK subfamily. In the N-terminal section; belongs to the transient receptor (TC 1.A.4) family. LTrpC subfamily. TRPM7 sub-subfamily. Contains 1 alpha-type protein kinase domain.
翻訳後修飾	Autophosphorylated.
細胞内局在	Membrane.

画像



Immunocytochemistry/ Immunofluorescence analysis of U2OS labeling TRPM7 with ab729 at 10 ug/mL. Cells were fixed with paraformaldehyde and permeabilized with 0.15% Triton. An Alexa Fluor 488 antibody was used as the secondary antibody (2ug/mL). Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/mL) followed by Alexa Fluor 488 secondary antibody (2ug/mL).

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